

Title (en)  
INFORMATION PROCESSING DEVICE, METHOD PERFORMED THEREBY, AND NON-TRANSITORY COMPUTER READABLE MEDIUM

Title (de)  
INFORMATIONSVERRÄHRUNGSVORRICHTUNG, DADURCH AUSGEFÜHRTES VERFAHREN UND NICHTTRANSITORISCHES COMPUTERLESBARES MEDIUM

Title (fr)  
DISPOSITIF DE TRAITEMENT D'INFORMATIONS, PROCÉDÉ MIS EN OEUVRE PAR CE DERNIER ET SUPPORT NON TRANSITOIRE LISIBLE PAR ORDINATEUR

Publication  
**EP 3798984 A1 20210331 (EN)**

Application  
**EP 20190149 A 20200807**

Priority  
JP 2019173266 A 20190924

Abstract (en)  
An information processing device includes a memory that stores a known position of a marker, a camera, and a processor. The processor is configured to determine whether the image includes the marker, calculate a relative position of the marker with respect to the camera and store the calculated relative position in the memory if image includes the marker, and determine a position of the camera using the known position of the marker and two or more relative positions calculated for the marker stored in the memory.

IPC 8 full level  
**G06T 7/73** (2017.01); **G06T 7/80** (2017.01)

CPC (source: EP US)  
**G06T 7/73** (2016.12 - EP US); **G06T 7/80** (2016.12 - EP); **G06T 2207/10016** (2013.01 - EP); **G06T 2207/30204** (2013.01 - EP US); **G06T 2207/30244** (2013.01 - EP)

Citation (search report)  
• [XYI] MONICA RUBIO ET AL: "Jittering Reduction in Marker-Based Augmented Reality Systems", 1 January 2006, COMPUTATIONAL SCIENCE AND ITS APPLICATIONS - ICCSA 2006 : INTERNATIONAL CONFERENCE, GLASGOW, UK, MAY 8 - 11, 2006; PROCEEDINGS , PART 1; [LECTURE NOTES IN COMPUTER SCIENCE , ISSN 0302-9743], SPRINGER, BERLIN, DE, PAGE(S) 510 - 517, ISBN: 978-3-540-34070-6, XP019031794  
• [XAY] NAVID KAYHANI ET AL: "Improved Tag-based Indoor Localization of UAVs Using Extended Kalman Filter", 35TH INTERNATIONAL SYMPOSIUM ON AUTOMATION AND ROBOTICS IN CONSTRUCTION (ISARC 2018), 24 May 2019 (2019-05-24), XP055760085, ISSN: 2413-5844, DOI: 10.22260/ISARC2019/0083  
• [YA] YANG XIN ET AL: "Robust and real-time pose tracking for augmented reality on mobile devices", MULTIMEDIA TOOLS AND APPLICATIONS, KLUWER ACADEMIC PUBLISHERS, BOSTON, US, vol. 77, no. 6, 21 March 2017 (2017-03-21), pages 6607 - 6628, XP036461918, ISSN: 1380-7501, [retrieved on 20170321], DOI: 10.1007/S11042-017-4575-3

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3798984 A1 20210331**; JP 2021051468 A 20210401; JP 7404011 B2 20231225; US 11410329 B2 20220809; US 2021090286 A1 20210325

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